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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/960,523	09/21/2001	Roland M. Hochmuth	10010901 -1	5310

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EXAMINER
NGUYEN, HAU H

ART UNIT	PAPER NUMBER
2676	3

DATE MAILED: 09/25/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.		Applicant(s)
Office Action Summary	09/960,523		HOCHMUTH ET AL.
	Examiner		Art Unit
	Hau H Nguyen		2676

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>03</u> MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed
  after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any
  earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *01 March 2001* .

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is
closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-19* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-19* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11)☐ The proposed drawing correction filed on _____ is: a)☐ approved b)☐ disapproved by the Examiner.

    If approved, corrected drawings are required in reply to this Office action.

12)☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

13)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All b)☐ Some * c)☐ None of:

        1.☐ Certified copies of the priority documents have been received.

        2.☐ Certified copies of the priority documents have been received in Application No. _____ .

        3.☐ Copies of the certified copies of the priority documents have been received in this National Stage
application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

14)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).

    a) ☐ The translation of the foreign language provisional application has been received.

15)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) *2* .

4) ☐ Interview Summary (PTO-413) Paper No(s). _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: .

DETAILED ACTION

Claim Rejections - 35 USC § 102

1.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the

basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed
> in the United States before the invention by the applicant for patent or (2) a patent granted on an application for
> patent by another filed in the United States before the invention by the applicant for patent, except that an
> international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this
> subsection of an application filed in the United States only if the international application designated the United
> States and was published under Article 21(2) of such treaty in the English language.

2.   Claims 1-19 are rejected under 35 U.S.C. 102(e) as being anticipated by Schneider et al.

(U.S. Patent No. 6,304,895).

Referring to claims 1-4, 14, and 16-17, and 19, Schneider et al. teach a method for

communicating graphics across a network as shown in Fig. 1A, comprising a target controller 50

operates to capture the video output of the target device. The controller 50 includes a video

digitizer that receives and converts the analog signals output by connected target device (col. 6,

lines 14-15, and lines 26-28). The analyzing digitizer control application 240 can also improve

efficiency by tracking which blocks change between successive screen captures. To track those

changes, the analyzing digitizer control application 240 double buffers the digital video

information received from the device driver. The analyzing digitizer control application 240

(Fig. 3) can compare (1) the screen information stored in a first buffer for a previous frame and

(2) the screen information stored in a second buffer for the image currently being captured.

Having identified the changed blocks, the analyzing digitizer control application 240 then need

only redraw the changed areas as they change (overwriting with the compared portions). The

remote control software 200 then captures and transmits those changed blocks (col. 8, lines 25-

42). Schneider et al. further teach the controlling computer 12 (Fig. 1A) communicates with a

target controller 50 using any selected communications protocol (e.g., TCP/IP, UDP, or RDP)

(col. 5, lines 1-4) (packetized graphics information).

Referring to claims 5 and 18, Schneider et al. teach the remote control software

application 200 is preferably one that performs lossless compression on the captured GDI calls

before transmission (col. 7, lines 28-37).

In regard to claim 6, Schneider et al. further teach the controlling computer 12 (Fig. 1A)

also includes a communications device 53 (a network interface) for communicating with the

target device(s). Such a device 53 may include (1) a modem for connecting via a telephone

connection, (2) a wireless transceiver for wirelessly communicating, and (3) a wired adapter

(e.g., an Ethernet or token ring adapter) (col. 4, lines 63-67, and col. 5, line 1).

In regard to claims 7 and 8, Schneider et al. teach the target computers are server

computers that are connected to a computer network and operate to perform such tasks as

controlling the operation of the network, storing commonly used programs or data, or connecting

a local area network (LAN) to a wide area network (WAN) (e.g., the Internet) (col. 3, lines 45-

50).

Referring to claim 9, as cited above, Schneider et al. teach the controlling computer 12

(Fig. 1A) communicates with a target controller 50 using any selected communications protocol

(e.g., TCP/IP, UDP, or RDP) (col. 5, lines 1-4).

In regard to claims 10-13, as shown in Figs. 1A and 1B, the communication system

comprises a first video input from a local source and another video signal input from a remote

source. As cited above, Schneider et al. teach previous frame is stored in a first buffer and

current frame is stored in a second buffer.

Referring to claim 15, Schneider et al. teach the analyzing digitizer control application

240 can transmit the changed blocks to the remote control software 200 in either compressed or

uncompressed format (col. 16, lines 47-50). Thus, it is implied that the input logic should

includes a logics configured to decompressed the compressed format.

Conclusion

3.   Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Hau H. Nguyen whose telephone number is: 703-305-4104. The

examiner can normally be reached on MON-FRI from 8:30-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Matthew Bella can be reached on 703-308-6829.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D. C. 20231

or faxed to:

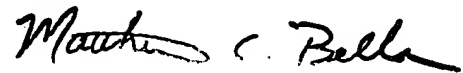(703) 872-9314 (for Technology Center 2600 only)

Hand-delivered response should be brought to Crystal Park II, 2121 Crystal Drive,

Arlington, VA, Sixth floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

H. Nguyen

09/15/2003

MATTHEW C. BELLA
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600